What is claimed is:

[Claim 1] 1. A golf club head comprising:

a major body composed of a metal material, the major body having front wall section, a return section, a sole section, a ribbon section and a ledge section, the front wall section has an opening, the return section extending a distance ranging 0.1 inch to 2.75 inches from a perimeter of the front wall section, the major body having a mass ranging from 140 grams to 200 grams;

a striking plate insert positioned in the opening of the front wall section of the major body, the striking plate insert having a thickness in the range of 0.010 inch to 0.250 inch;

a minor body having a crown section and a ribbon section, the minor body attached to the ledge section of the major body, the minor body having a mass ranging from 4 grams to 50 grams; and

a stiffening member disposed on an interior surface of the major body;

wherein the golf club head has a volume ranging from 290 cubic centimeters to 600 cubic centimeters.

- [Claim 2] 2. The golf club head according to claim 1 wherein the striking plate insert is composed of a metal material.
- [Claim 3] 3. The golf club head according to claim 1 wherein the minor body is composed of a metal material having a density lower than the density of the material of the major body.
- [Claim 4] 4. The golf club head according to claim 1 wherein the minor body is composed of a plurality of plies of pre-preg material.
- [Claim 5] 5. The golf club head according to claim 1 wherein the ledge section is inward a distance ranging from 0.005 inch to 0.020 inch from an exterior surface of the major body.
- [Claim 6] 6. The golf club head according to claim 1 wherein the striking plate insert has a plurality of concentric regions of varying thickness.
- [Claim 7] 7. The golf club head according to claim 1 wherein the major body is composed of a cast titanium alloy material, the striking plate insert is composed of a formed titanium alloy, and the minor body is composed of a composite material.
- [Claim 8] 8. The golf club head according to claim 1 wherein the golf club head has a first resonant frequency on the sole section of at least 2200 Hertz.
- [Claim 9] 9 The golf club head according to claim 1 wherein the golf club head has a second resonant frequency on the sole section of at least 2550 Hertz.
- [Claim 10] 10. The golf club head according to claim 1 wherein the golf club head has a first resonant frequency on the sole section of at least 2700 Hertz.
- [Claim 11] 11. The golf club head according to claim 1 wherein the golf club head has a second resonant frequency on the sole section of at least 3400 Hertz.

[Claim 12] 12. The golf club head according to claim 1 wherein the golf club head has a volume ranging from 350 cubic centimeters to 495 cubic centimeters.

[Claim 13] 13. The golf club head according to claim 1 wherein the moment of inertia about the Izz axis through the center of gravity of the golf club head ranges from 2800 grams- centimeters squared to 5000 grams-centimeters squared.

[Claim 14] 14. A golf club head comprising:

a major body composed of a cast titanium alloy material, the major body having a front wall section, a return section, a sole section, a ribbon section and a ledge section, the return section extending a distance ranging 0.10 inch to 2.75 inches from a perimeter of the front wall section, the ledge section is inward a distance ranging from 0.005 inch to 0.020 inch from an exterior surface of the major body;

a striking plate insert positioned in the opening of the front wall section of the major body, the striking plate insert having a thickness in the range of 0.010 inch to 0.250 inch, the striking plate insert composed of a formed titanium alloy material;

a minor body having a crown section and a ribbon section, the minor body attached to the ledge section of the major body with a liquid

adhesive, the minor body having a thickness ranging from 0.010 inch to 0.070 inch, the minor body composed of a plurality of plies of pre-preg material; a plurality of stiffening members disposed on an interior surface of the sole section of the major body, each of the stiffening members extending along a majority of the length of the sole section and having a thickness of

wherein the moment of inertia about the Izz axis through the center of gravity of the golf club head that ranges from 2800 to 5000 grams-centimeters squared, and the moment of inertia about the Iyy axis through the center of gravity of the golf club head that ranges from 2000 to 3500 grams-centimeters squared, and wherein the golf club head the golf club head has a first resonant frequency on the sole section of at least 2200 Hertz, and a second resonant frequency on the sole section of at least 2550 Hertz.

[Claim 15] 15. A golf club head comprising:

approximately 0.375 inch;

a major body composed of a cast titanium alloy material, the major body having a front wall section, a return section, a sole section, a ribbon section and a ledge section, the return section extending a distance ranging 0.10 inch to 2.75 inches from a perimeter of the front wall section, the ledge section is inward a distance ranging from 0.005 inch to 0.020 inch from an exterior surface of the major body;

a striking plate insert positioned in the opening of the front wall section of the major body, the striking plate insert having a thickness in the range of 0.010 inch to 0.250 inch, the striking plate insert composed of a formed titanium alloy material;

a minor body having a crown section and a ribbon section, the minor body attached to the ledge section of the major body with a liquid adhesive, the minor body having a thickness ranging from 0.010 inch to 0.070 inch, the minor body composed of a magnesium alloy material;

a plurality of stiffening members disposed on an interior surface of the sole section of the major body, each of the stiffening members extending along a majority of the length of the sole section and having a thickness of approximately 0.375 inch;

wherein the moment of inertia about the Izz axis through the center of gravity
of the golf club head that ranges from 2800 to 5000 grams-centimeters
Page 27 of 44

squared, and the moment of inertia about the lyy axis through the center of gravity of the golf club head that ranges from 2000 to 3500 grams—centimeters squared, and wherein the golf club head the golf club head has a first resonant frequency on the sole section of at least 2200 Hertz, and a second resonant frequency on the sole section of at least 2550 Hertz.

[Claim 16] 16. A golf club head comprising:

a major body composed of a cast titanium alloy material, the major body having a front wall section, a return section, a sole section, a ribbon section and a ledge section, the return section extending a distance ranging 0.10 inch to 2.75 inches from a perimeter of the front wall section, the ledge section is inward a distance ranging from 0.005 inch to 0.020 inch from an exterior surface of the major body;

a striking plate insert positioned in the opening of the front wall section of the major body, the striking plate insert having a thickness in the range of 0.010 inch to 0.250 inch, the striking plate insert composed of a formed titanium alloy material;

a minor body having a crown section and a ribbon section, the minor body attached to the ledge section of the major body with a liquid adhesive, the minor body having a thickness ranging from 0.010 inch to 0.070 inch, the minor body composed of an aluminum alloy material;

a plurality of stiffening members disposed on an interior surface of the sole section of the major body, each of the stiffening members extending along a majority of the length of the sole section and having a thickness of approximately 0.375 inch;

wherein the moment of inertia about the Izz axis through the center of gravity of the golf club head that ranges from 2800 to 5000 grams-centimeters squared, and the moment of inertia about the Iyy axis through the center of gravity of the golf club head that ranges from 2000 to 3500 grams-centimeters squared, and wherein the golf club head the golf club head has a first resonant frequency on the sole section of at least 2200 Hertz, and a second resonant frequency on the sole section of at least 2550 Hertz.